ABSTRACT

A refrigerator includes a housing including a cooling compartment and a machine compartment, a refrigeration cycle provided in the housing and including a compressor, a condenser, a decompressor, and an evaporator which provide a refrigerant path, a refrigerant provided in the refrigeration cycle and flowing in the refrigerant path, and a blower for cooling the condenser. The condenser includes a pipe and a fin mounted on the pipe. The pipe is formed to have a helical shape with gaps. The helical shape has an inner space, a first opening, and a second opening opposite to the first opening. The inner space has a substantially cylindrical shape between the first opening and the second opening. The first opening faces the blower. A flow resistance between the second opening and the inner space is larger than a flow resistance between the gaps of the helical shape and the inner space. The machine compartment has a small size, and the refrigerator has a large hear radiation capability and small power consumption. The refrigerator prevents the pipe of the condenser from being broken, accordingly preventing leakage of the refrigerant due to the breaking.